



H-125 / H-150 SERIESTM

FILTER SYSTEMS

Carbon Filtration Systems

The activated carbon series of filters are designed to remove tastes, odors and dissolved organic chemicals from water supplies. HAC Carbon has a great capacity for chlorine removal. Additional grades of carbon are available for specific applications - consult Hellenbrand engineering department. Carbons require periodic backwashing to re-grading the filter bed.

Operating parameters: water to be filtered should be free of oil, suspended matter and iron for maximum service life. Carbon filters can operate in wide range of pH levels.

Birm Filtration Systems

Birm is an efficient and economical media for the reduction of dissolved iron and manganese compounds. Acts as a catalyst between dissolved oxygen and undesirable compounds. Birm offers a long material life and only requires periodic backwashing.

Operating parameters: pH 6.8-9.0; free chlorine less than 0.5 mg/l; hydrogen sulfide less than 0.1 mg/l; dissolved oxygen should equal at least 15% of iron and manganese content; alkalinity should be greater than 2 times sulfate and chloride content.

Filter-Ag Filtration Systems

Filter-ag is used for suspended solids reduction. Its fractured edges and irregular surface provides a high surface area for efficient removal down to the 20-40 micron level. Filter-Ag's large particle size creates less pressure drop and allows deeper sediment penetration and longer filter runs.

Operating parameters: pH full range; filter bed should be allowed to soak 24 hours before backwashing.

Multi Media Filtration Systems

The MM Series Filters are a unique blend of 5 filter medias for suspended solids removal. High filter flow rates and high filter removal capacities are achieved with these systems.

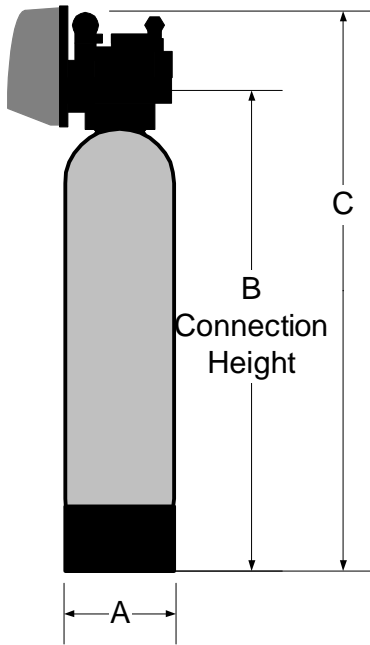
Operating parameters: pH 6.8-9.0; chlorine level should be less than .5ppm; filter bed should be allowed to soak 24 hours before backwashing.



The H125 and H150 Control is User Friendly and Reliable.

- Modular Design
- Non-Corrosive Internals
- One Piece Stack Assembly
- Piston Operated
- Disassemble and Reassemble in Minutes
- Maximum water temperature 110°F
- Pressure Range 35 psi Min – 100 psi Max

H125 / H150 Filter-Specifications



H125

1 1/4" Inlet/Outlet

Tank Size	A	B	C
10"x44"	10.2	44.2	49.6
10"x54"	10.2	56.5	61.9
12"x52"	12.8	54.7	60.1
13"x54"	13.1	56.5	61.9
14"x65"	14.0	67.7	73.1
16"x65"	16.0	68.3	73.7
18"x65"	18.0	65.5	74.9
21"x62"	21.0	74.3	79.7

H150

1 1/2" Inlet/Outlet

Tank Size	A	B	C
14"x65"	14.0	68.2	73.2
16"x65"	16.0	68.4	73.4
18"x65"	18.0	69.6	74.6
21"x62"	21.0	74.4	79.4
24"x72"	24.0	82.3	87.3

HAC CARBON FILTER SYSTEMS

Model	Tank Size	C.F. of Media	Low Flow 4 gpm/sq ft	High Flow 8 gpm/sq ft	Dechlorination 12 gpm/sq ft	Backwash Flow Rate
H125-CH10-1CF	10x44	1	2	4	7	5
H125-CH10-1.5CF	10x54	1.5	2	4	7	5
H125-CH13-2CF	13x54	2	4	7	11	10
H125-CH14-3CF	14x65	3	4	9	13	12
H125-CH16-4CF	16x65	4	6	11	17	15
H125-CH18-5CF	18x65	5	7	14	21	20
H125-CH21-6CF	21x62	6	10	19	29	25
H150-CH14-3CF	14x65	3	4	9	13	12
H150-CH16-4CF	16x65	4	6	11	17	15
H150-CH18-5CF	18x65	5	7	14	21	20
H150-CH21-6CF	21x62	6	10	19	29	25
H150-CH24-10CF	24x72	9	13	25	38	35

MULTI-MEDIA FILTER SYSTEMS

Model	Tank Size	C.F. of Media	Low Flow 10 gpm/sq ft	High Flow 20 gpm/sq ft	Backwash Flow Rate
H125-MM10-1CF	10x44	1	5	11	5
H125-MM10-1.5CF	10x54	1.5	5	11	5
H125-MM13-2CF	13x54	2	9	18	10
H125-MM14-3CF	14x65	3	11	21	12
H125-MM16-4CF	16x65	4	14	28	15
H125-MM18-5CF	18x65	5	18	35	20
H125-MM21-6CF	21x62	6	24	N.R.	25
H150-MM14-3CF	14x65	3	11	21	12
H150-MM16-4CF	16x65	4	14	28	15
H150-MM18-5CF	18x65	5	18	35	20
H150-MM21-6CF	21x62	6	24	48	25
H150-MM24-10CF	24x72	10	31	N.R.	35

N.R. - Not Recommended

BIRM FILTER SYSTEMS

Model	Tank Size	C.F. of Media	Low Flow 4 gpm/sq ft	High Flow 9 gpm/sq ft	Backwash Flow Rate
H125-BR-10-1 CF	10x44	1	2	5	5
H125-BR-10-1.5 CF	10x54	1.5	2	5	5
H125-BR-13-2 CF	13x54	2	4	8	10
H125-BR-14-3 CF	14x65	3	4	10	12
H125-BR-16-4 CF	16x65	4	6	13	15
H125-BR-18-5 CF	18x65	5	7	16	20
H125-BR-21-6 CF	21x62	6	10	22	25
H150-BR-14-3 CF	14x65	3	4	10	12
H150-BR-16-4 CF	16x65	4	6	13	15
H150-BR-18-5 CF	18x65	5	7	16	20
H150-BR-21-6 CF	21x62	6	10	22	25
H150-BR-24-10 CF	24x72	10	13	28	35

FILTER-AG FILTER SYSTEMS

Model	Tank Size	C.F. of Media	Low Flow 5gpm/sq ft	High Flow 10gpm/sq ft	Backwash Flow Rate
H125-FA-10-1CF	10x44	1	3	5	5
H125-FA-10-1.5 CF	10x54	1.5	3	5	5
H125-FA-13-2 CF	13x54	2	5	8	10
H125-FA-14-3 CF	14x65	3	5	10	12
H125-FA-16-4 CF	16x65	4	7	14	15
H125-FA-18-5 CF	18x65	5	9	18	20
H125-FA-21-6 CF	21x62	6	12	24	25
H150-FA-14-3 CF	14x65	3	5	10	12
H150-FA-16-4 CF	16x65	4	7	14	15
H150-FA-18-5 CF	18x65	5	9	18	20
H150-FA-21-6 CF	21x62	6	12	24	25
H150-FA-24-6 CF	24x72	10	16	31	35

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